



CIB TG85: R&D Investment and Impact

Outcomes of Webex 6 - 10th October 2012 (11 pm – 12 am Brisbane, Australia time)

Attendees: Bakens, Wim; Bottura Barros, Mercia; Bougrain, Frédéric; Cardoso, Francisco; Chapman, Robert; Dewulf, Geert; Hampson, Keith (Coordinator); Haugbølle, Kim (Speaker); Heyblom, Tom; Kadefors, Anna; Robinson, Aminah; Sanchez, Adriana; Shen, Geoffrey; Staub, Alexandra; and Støre Valen, Marit.

Apologies: Airaksinen, Miimu; Thomas, Ken; Bröchner, Jan; Chi, Seokho; Cunningham, Peter; Kashikar, Arun; Kraatz, Judy; Lehtiranta, Liisa; Leiringer, Roine; Mikkonen, Virpi; Nenonen, Suvi; Nüsse, Gregor; Slaughter, Sarah; and Wilkinson, Suzanne.

PRESENTATION – Kim Haugbølle, Aalborg University, Denmark - [Construction R&D investments in Denmark](#) (click to view)

- Previous work done in this space: policy reports (1993 and 2000), and small inconclusive construction R&D studies.
- Presentation based on Construction R&D Committee report.
- Holistic approach: primary industry, manufacturing industry, consultants, contractors, and construction companies.
- Study focus: research systems, funding sources, and users (moving away from single-focus studies).
- More than 200 knowledge hubs were identified in Denmark. However, it was found that there were only 5 core institutions carrying out significant construction R&D.
- Analysis of public R&D expenditure through core institutions - overall: 3% of total public R&D expenditure is dedicated to construction.
- Approximately €40 million are directed to public R&D in the built environment. However, more than 50% is only directed to the five core public institutions.
- Companies are financing 86% of the private sector construction R&D.
- Building and housing R&D represent 0.55% of the total turnover.
- Roadmap targets:
 - Increase annual R&D funding through special R&D fund.
 - Establish innovation consortiums.
 - Convert basic funds through competition and performance contracts.
 - Post-graduate research program to increase research in the sector.
- *Realdania* research program has provided significant research funding to this sector. However, out of the 6 research hubs related to the built environment only two are still ongoing.
- A few innovation consortia have been created in the space of digitalisation, energy saving, and sustainable industrialised construction.
- The ministry significantly reduced the budget of SBI (Danish national building research institute) to fund ad hoc themes, leading to overall reduction of available R&D funding for construction.
- Organisational changes have led to challenges regarding long lasting funds for research centres.
- Conclusion:
 - A new R&D analysis update will be carried out in the near future.
 - National statistics can be deceiving in cases where the institutions are in the border between public and private categories.
 - Making reliable estimates in this sector can be very challenging.

Discussion

Linkage between energy and construction has led to the proposal to create a policy instrument to target not only a single industry sector but a group of closely linked sectors.

The impact of the different initiatives was calculated through intellectual property rights elements. However, this information is rather rare and difficult to obtain.

Most of the reports used and produced by this initiative are in Danish. Therefore, the book chapter will be a great opportunity to make this information available to the English speaking world.

TG85 PUBLICATIONS

General

- Welcome to new attending members/authors: Alexandra Staub, Francisco Cardoso, Mercia Bottura Barros, Robert Chapman, and Marit Støre Valen.
- TG85 task group has now 35 members spread over 16 countries (*Great progress!*).
- Any authors who have not send their postal address to Adriana should send it as soon as possible.

WBC13 Individual papers

- Eight publications from the TG85 task group to be presented at the WBC13 in Brisbane 5-9 May 2013.
- Any author who submitted an abstract to the WBC13 and has not received a confirmation for the paper, please contact Adriana or Keith.

CIB TG85 Book

- Confirmed publisher Taylor and Francis referencing and formatting guidelines will distributed to all authors.
- Common reference currency to be used by all authors will be US dollars.
- Given the page limit imposed by the publishers, each chapter should have a maximum of 15 pages.
- Geoffrey Shen will author a chapter covering R&D investment and impact in Hong Kong, China. There might be a Mainland China separate chapter.
- The US chapter is well advance and will include Robert Chapman, Sarah Slaughter, Douglas Thomas and Martin Fischer as authors.
- Mercia Bottura, Francisco Cardoso, and Lucia de Oliveira will author the Brazilian chapter.
- The final manuscript is needed by April 2013. Therefore, it is paramount that we make an effort to have the first complete draft by December 14th. Priority of chapter reviews will be directed to those presenting at the WBC13 to allow any useful feedback to be integrated in the final congress paper due on 22 Feb 2012.

KEY DATES

- **2 Nov 2012** - WBC13 1st draft papers due (or before)
- **27 Nov 2012** – TG85 WebEx 7
- **14 Dec 2012** – 1st TG85 chapter draft due
- **22 Feb 2013** – WBC13 final papers due
- **20 April 2013** – Edited chapters targeted back to authors
- **5-9 May 2013** – WBC13 in sunny Brisbane!

NEXT MEETING

- Wednesday, 27th November 2012 at 5 pm Brisbane Time.

NOTE FROM KEITH

"It's a terrific momentum that we have built up together. I'm looking forward to working with you in building on this momentum as we strive towards a quality published outcome with impact (!!) over the next 6 months. It will be an outcome that we can all be proud of!"

Feel free to print multiple copies off and mount on your office wall, home office, bathroom mirror etc ... !

Good luck!

CIB WBC13 and TG85 Publication Timelines

